This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-54 (cancelled)

55. (new) An optical apparatus comprising:

a zoom lens;

a memory means for memorizing preset speed information and preset direction information;

a memory instructing operation means to be operated for causing said memory means to memorize the preset speed information and the preset direction information;

a drive instructing operation means to be operated for generating a drive speed command and a drive direction command for said zoom lens corresponding to the operation amount and the operation direction; and

a control means for executing preset drive control on said zoom lens,

wherein said control means is adapted, when said zoom lens is driven and said memory instructing operation means is operated, to cause said memory means to memorize the actual drive speed and the actual drive direction of said zoom lens as the preset speed information and the preset direction information, and to drive said zoom lens with a speed corresponding to said memorized preset speed information and in a direction corresponding to said memorized preset direction information in response to the operation of control starting operation means while the drive instructing operation means is not operated.

56. (new) The optical apparatus according to claim 55, wherein said control means is adapted, in the execution of said preset drive control, to compare the actual drive speed of said optical member with a drive speed corresponding to the preset speed information and to control to increase or to decrease the actual drive speed of said optical member in such a manner that said two drive speeds substantially coincide.

57. (new) The optical apparatus according to claim 55, further comprising display means for displaying that said preset drive control is executed.

58. (new) The optical apparatus according to claim 55, further comprising:

speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed;

wherein said control means is adapted to drive said optical member with the drive speed selected by said speed selecting operation means.

59. (new) The optical apparatus according to claim 55, wherein said control means is adapted to interrupt said preset drive control in response to the operation of said control starting operation means in the course of said preset drive control.

60. (new) The optical apparatus according to claim 59, wherein said control means is adapted to restart said preset drive control in response to the operation of said control starting operation means after the interruption.

61. (new) An optical apparatus comprising:

a zoom lens;

a memory means for memorizing preset speed information and preset direction information;

a memory instructing operation means to be operated for causing said memory means to memorize the preset speed information and the preset direction information;

a drive instructing operation means to be operated for generating a drive speed command and a drive direction command for said zoom lens corresponding to the operation amount and the operation direction; and

a control means for executing preset drive control on said zoom lens,

wherein said control means is adapted, when said drive instruction operation means is operated and said memory instructing operation means is operated, to cause said memory means to memorize the drive speed command and the drive direction command of said zoom lens as the preset speed information and the preset direction information, and to drive said zoom lens with a speed corresponding to said memorized preset speed information and in a direction corresponding to said memorized preset direction information in response to the operation of control starting operation means while the drive instructing operation means is not operated.

62. (new) The optical apparatus according to claim 61, wherein said control means is adapted, in the execution of said preset drive control, to compare the actual drive speed of said optical member with a drive speed corresponding to the preset speed information and to control to increase or decrease the actual drive speed of said optical member in such a manner that said two drive speeds substantially coincide.

63. (new) The optical apparatus according to claim 61, further comprising display means for displaying that said preset drive control is executed.

64. (new) The optical apparatus according to claim 61, further comprising:

speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed;

wherein said control means is adapted to drive said optical member with the drive speed selected by said speed selecting operation means.

65. (new) The optical apparatus according to claim 61, wherein said control means is adapted to interrupt said preset drive control in response to the operation of said control starting operation means in the course of said preset drive control.

66. (new) The optical apparatus according to claim 65, wherein said control means is adapted to restart said preset drive control in response to the operation of said control starting operation means after the interruption.

67. (new) The optical apparatus according to claim 61, further comprising:

drive instructing operation means to be operated for generating a drive command for said optical member according to at least either of the operation amount and the operation direction;

wherein said control means is adapted to interrupt said preset drive control in response to the operation of said drive instructing operation means in the course of said preset drive control.

68. (new) The optical apparatus according to claim 67, wherein said control means is adapted to restart said preset drive control in response to the operation of said control starting operation means after the interruption.

69. (new) An optical apparatus drive unit to be mounted on or connected to a main body of an optical apparatus including a zoom lens, the drive unit comprising:

a memory means for memorizing preset speed information and preset direction information;

a memory instructing operation means to be operated for causing said memory means to memorize the preset speed information and the preset direction information;

a drive instructing operation means to be operated for generating a drive speed command and a drive direction command for said zoom lens corresponding to the operation amount and the operation direction; and

a control means for executing preset drive control on said zoom lens,

wherein said control means is adapted, when said zoom lens is driven and said memory instructing operation means is operated, to cause drive speed and the as the preset speed information, and to said memory means to memorize the actual drive direction of said zoom lens information and the preset direction drive said zoom lens. with a speed corresponding to said memorized preset speed information and in a direction corresponding to said memorized preset direction information in response to the operation of control starting operation means while the drive instructing operation means is not operated.

70. (new) The optical apparatus drive unit according to claim 69, wherein said control means is adapted, in the execution of said preset drive control, to compare the actual drive speed of said optical member with a drive speed corresponding to the preset speed information and to control to increase or decrease the actual drive speed of said optical member in such a manner that said two drive speeds substantially coincide.

71. (new) The optical apparatus drive unit according to claim 69, further comprising display means for displaying that said preset drive control is executed.

72. (new) The optical apparatus drive unit according to claim 69, further comprising speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed;

wherein said control means is adapted to drive said optical member with the drive speed selected by said speed selecting operation means.

73. (new) The optical apparatus drive unit according to claim 69, wherein said control means is adapted to interrupt said preset drive control in response to the operation of said control starting operation means in the course of said preset drive control.

74. (new) The optical apparatus drive unit according to claim 73, wherein said control means is adapted to restart said preset drive control in response to the operation of said control starting operation means after the interruption.

75. (new) An optical apparatus drive unit to be mounted on or connected to a main body of an optical apparatus including a zoom lens, the drive unit comprising:

a memory means for memorizing preset speed information and preset direction information;

a memory instructing operation means to be operated for causing said memory means to memorize the preset speed information and the preset direction information;

a drive instructing operation means to be operated for generating a drive speed command and a drive direction command for said zoom lens corresponding to the operation amount and the operation direction; and

a control means for executing preset drive control on said zoom lens, wherein said control means is adapted, when said drive instruction operation means is operated and said memory instructing operation means is operated, to cause said memory means to

memorize the drive speed command and the drive direction command of said zoom lens as the preset speed information and the preset direction information, and to drive said zoom lens with a speed corresponding to said memorized preset speed information and in a direction corresponding to said memorized preset direction information in response to the operation of control starting operation means while the drive instructing operation means is not operated.

76. (new) The optical apparatus drive unit according to claim 75, wherein said control means is adapted, in the execution of said preset drive control, to compare the actual drive speed of said optical member with a drive speed corresponding to the preset speed information and to control to increase or decrease the actual drive speed of said optical member in such a manner that said two drive speeds substantially coincide.

77. (new) The optical apparatus drive unit according to claim 75, further comprising display means for displaying that said preset drive control is executed.

78. (new) The optical apparatus drive unit according to claim 75, further comprising:

speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed;

wherein said control means is adapted to drive said optical member with the drive speed selected by said speed selecting operation means.

79. (new) The optical apparatus drive unit according to claim 75, wherein said control means is adapted to interrupt said preset drive control in response to the operation of said control starting operation means in the course of said preset drive control.

80. (new) The optical apparatus drive unit according to claim 79, wherein said control means is adapted to restart said preset drive control in response to the operation of said control starting operation means after the interruption.

81. (new) The optical apparatus drive unit according to claim 75, further comprising:

drive instructing operation means to be operated for generating a drive command for said optical member according to at least either of the operation amount and the operation direction;

wherein said control means is adapted to interrupt said preset drive control in response to the operation of said drive instructing operation means in the course of said preset drive control.

82. (new) The optical apparatus drive unit according to claim 81, wherein said control means is adapted to restart said preset drive control in response to the operation of said control starting operation means after the interruption.

83. (new) A camera system including a camera on which an optical apparatus is mounted, the camera system comprising:

a zoom lens;

a memory means for memorizing preset speed information and preset direction information;

a memory instructing operation means to be operated for causing said memory means to memorize the preset speed information and the preset direction information;

a drive instructing operation means to be operated for generating a drive speed command and a drive direction command for said zoom lens corresponding to the operation amount and the operation direction; and

a control means for executing preset drive control on said zoom lens,

wherein said control means is adapted, when said zoom lens is driven and said memory instructing operation means is operated, to cause said memory means to memorize the actual drive speed and the actual drive direction of said zoom lens as the preset speed information and the preset direction information, and to drive said zoom lens with a speed corresponding to said memorized preset speed information and in a direction corresponding to said memorized preset direction information in response to the operation of control starting operation means while the drive instructing operation means is not operated.

84. (new) The camera system according to claim 83, further comprising

speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed;

wherein said control means is adapted to drive said optical member with the drive speed selected by said speed selecting operation means.

85. (new) A camera system including a camera on which an optical apparatus is mounted, the camera system comprising:

a zoom lens;

a memory means for memorizing preset speed information and preset direction information;

a memory instructing operation means to be operated for causing said memory means to memorize the preset speed information and the preset direction information;

a drive instructing operation means to be operated for generating a drive speed command and a drive direction command for said zoom lens corresponding to the operation amount and the operation direction; and

a control means for executing preset drive control on said zoom lens, wherein said control means is adapted, when said drive instruction operation means is operated and said memory instructing operation means is operated, to cause said memory means to memorize the drive speed command and the drive direction command of said zoom lens as the preset speed information and the preset direction information, and to drive said zoom lens with a speed corresponding to said memorized preset speed information and in a direction corresponding to said memorized preset direction information in response to the operation of control starting operation means while the drive instructing operation means is not operated.

86. (new) The camera system according to claim 85, further comprising:

drive instructing operation means to be operated for generating a drive command for said optical member according to at least either of the operation amount and the operation direction;

wherein said control means is adapted to interrupt said preset drive control in response to the operation of said drive instructing operation means in the course of said preset drive control.